

Notice of Allowability

Application No.

10/028,361

Examiner

Nasser Ahmad

Applicant(s)

KOYAMA ET AL.

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 6/27/2006.
2. ☒ The allowed claim(s) is/are 1,2,4 and 6-24.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some* c) ☐ None of the:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____ | 7. <input type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input checked="" type="checkbox"/> Other <u>See Continuation Sheet</u> . |

Continuation of Attachment(s) 9. Other: Drawings filed on 12/28/2001 are accepted by the examiner.

REASONS FOR ALLOWANCE

1. The following is an examiner's statement of reasons for allowance:

A review of applicants' arguments in amendment filed on June 27, 2006 and a review of the instant amended claims has convinced the examiner that the claims are allowable over the prior art of record. The prior art fails to teach An optically semi-transmission reflection material comprising a resinous film, said resinous film comprising a thermoplastic resin, wherein the sum of total light ray transmittance, $T\%$, and total light ray reflectance, $R\%$, is 80 to 100%, $|T - R| < 50\%$; when displayed value a and displayed value b in transmitted light are designated as $a_{\text{sub.T}}$ and $b_{\text{sub.T}}$ respectively, and when in reflected light, displayed value b is designated as $b_{\text{sub.r}}$, in the transmitted light, $a_{\text{sub.T}}$ and $b_{\text{sub.T}}$ are in the range of $-2 \leq a_{\text{sub.T}} \leq 2$, and $-2 \leq b_{\text{sub.T}} \leq 1.3$ and the difference between the displayed value b of the transmitted light and the reflected light is $|b_{\text{sub.T}} - b_{\text{sub.r}}| \leq 10$; wherein the resinous film comprises a multi-layered resinous oriented film obtained by laminating at least two layers of surface-protecting layer (A) and base layer (B), and optionally back-surface protecting layer (C), then biaxially orienting the resulting laminated product; wherein in the multi-layered resinous oriented film, a ratio of a longitudinal direction orientation magnification, $L_{\text{sub.MD}}$ to a lateral direction orientation magnification, $L_{\text{sub.CD}}$, $L_{\text{sub.MD}}/L_{\text{sub.CD}}$ is 0.2 to 3. Further, the prior also fails to teach a liquid crystal display apparatus comprising said optically semi-transmission reflection material as discussed above. It is also understood by the examiner that the values of "a" and "b" are as provided in JIS Z8701 and that the T and R values were determined at a

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wavelength within a range of 380 to 780 nm as recited in specification, page-5, lines 1-7. Thus, the claimed invention realizes balanced brightness and displayed color. Also, no evidentiary support could be provided to support the position that the claimed invention would have been obvious to one having ordinary skill in the art.

The closest prior art ASAZUMA fails to teach (i) the $|T - R| < 50\%$; (ii) when displayed value a and displayed value b in transmitted light are designated as a.sub.T and b.sub.T respectively, and when in reflected light, displayed value b is designated as b.sub.r, in the transmitted light, a.sub.T and b.sub.T are in the range of $-2 \leq a.sub.T \leq 2$, and $-2 \leq b.sub.T \leq 1.3$ and the difference between the displayed value b of the transmitted light and the reflected light is $|b.sub.T - b.sub.r| \leq 10$, (iii) a ratio of a longitudinal direction orientation magnification of the multi-layered resinous film, L.sub.MD to a lateral direction orientation magnification of said film, L.sub.CD, L.sub.MD/L.sub.CD is 0.2 to 3 and (iv) a liquid crystal display apparatus comprising said optically semi-transmission reflection material.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."


Any inquiry concerning this communication or earlier communications from the examiner should be directed to Nasser Ahmad whose telephone number is 571-272-

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1487. The examiner can normally be reached on 7:30 AM to 5:00 PM, and on alternate Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Harold Pyon can be reached on 571-272-1498. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.


Nasser Ahmad 7/9/06
Primary Examiner
Art Unit 1772

N. Ahmad.
July 9, 2006.